# <Special Lecture 5>How a Broken Egg Attractor Has Influenced Dynamics of My Life?

AUTHOR(S):

Ueda, Yoshisuke

# S5

## How a Broken Egg Attractor Has Influenced Dynamics of My Life?

Yoshisuke Ueda
*Waseda University*
*Emeritus Professor of Kyoto University*

It is said that the data I was collecting with our analog computer on the 27th of November, 1961, just 50 years ago, is the oldest example of chaos discovered in a second-order non-autonomous periodic system. The data (stroboscopic observation) was nothing like the smooth oval closed curves representing almost (or quasi) periodic oscillations, but was more like a broken egg with jagged edges. In this talk, I would like to summarize the whole oscillatory phenomena (perhaps whole) which occur in periodically foced self-oscillatory systems. Also, the whole bifurcation phenomena will be included. It goes without saying that the talk depends on analog- and digital-simulation results, therefore the data will be abundant assignments for mathematicians.